8701-03-17

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Suite 322
315 South Allen Street
State College, Pennsylvania 16801

April 8, 1987

Mr. Garth Glenn
Regional Operations
Manager, FIT 3
NUS Corporation
992 Old Eagle School Road
Suite 916
Wayne, PA 19087

Dear Mr. Glenn:

This responds to your letter of March 24, 1987 requesting information on endangered or threatened species within the areas affected by the following uncontrolled hazardous substance sites:

Site	County
Foamex Products Site	Erie
General Partition	Erie
Spring City Borough Fil	Chester
Flinchbaugh	York
Lakeside Cemetary	Erie
Spring Grove Landfill	York
Tri-County Landfill	Mercer
Southern Pie Casters	York
Parkesburg Landfill	Chester
Stoltzfus Demolition Site	Chester
John Preston Property	Westmoreland
Stauffers Landfill	Lancaster
Wiveall Quarry	Lancaster

We have no information to indicate that any endangered species under our jurisdiction reside within a radius of three miles of any of the project sites. Therefore, no Biological Assessment or further Section 7 consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) is required with the Fish and Wildlife Service. Should project plans change, or if additional information on listed or proposed species becomes available, this determination may be reconsidered. A compilation of federally listed endangered and threatened species in Pennsylvania is enclosed for your information.

The State of Pennsylvania has classified certain species as threatened or endangered. We suggest that you contact the Pennsylvania Fish Commission and the Pennsylvania Game Commission for further information on these species.

Your letter does not contain enough information for us to determine if other resources of concern to the Service are being affected by the sites or proposed actions at the site. Specifically, we are concerned that chemical

contaminants on or migrating from uncontrolled hazardous substance disposal sites may have acute or chronic toxicity effects on terrestrial and aquatic life. For example, open waste ponds, leachate seeps, and off-site contamination of streams or other surface waters can represent significant hazards to fish and wildlife resources. Food chain effects of substances that bioaccumulate or biomagnify increase these hazards.

On sites where chemical contaminants are or could be released to significant terrestrial wildlife habitat, wetlands, or surface waters, we recommend that biological studies be incorporated into your evaluation of the sites. For example, an indication of the bioavailability of contaminants released into surface waters can be obtained relatively easily by collecting two composite fish samples. We would be happy to review and comment on plans for proposed fish and wildlife studies.

Please contact us if we can be of further assistance.

Sincerely,

Charles J. Kulp
Field Supervisor

Enclosure

8701-03-14

Site Specific Amendment to **Work Plan SI-1, Rev. No.1 (WPA 2, Rev.0)**

Site Name: Southern Die Caster

TDD No.: F3-8701-03

EPA Site No.: PA 1995

Charge No.: PAB2$I

Project Manager: Michael Snyder

Date: 2/4/87

Revision No.: Ø

1) Check below the sections of the Work Plan SI-1, Rev. No. 1 which apply to this specific project:

	SECTION	
✓	1.0	SUMMARY AND REQUIREMENTS
✓	2.0	THE SITE INSPECTION
✓	2.1	OVERVIEW
✓	2.2	OBJECTIVES AND SCORE
✓	2.3	MANAGEMENT PROCEDURES
✓	2.4	METHODOLOGY
✓	2.5	PROJECT PLANNING
✓	2.6	SITE SAMPLE COLLECTION AND FIELD MEASUREMENTS
✓	2.7	SAMPLE LOCATION
✓	2.8	FIELD OBSERVATIONS
✓	2.9	SAFETY CONSIDERATIONS
✓	2.10	FINDINGS OF A SITE INSPECTION
✓	3.0	TECHNICAL GUIDELINES FOR THE PERFORMANCE OF A SITE INSPECTION
✓	3.1	OFFICE EVALUATION
✓	3.2	ON-SITE EVALUATION
✓	3.3	INFORMATION AND SOURCE GUIDELINE
✓	4.0	THE SAMPLING PLAN
✓	5.0	STANDARD OPERATING PROCEDURES FOR FIELD MONITORING EQUIPMENT
	5.1	USE, CALIBRATION, AND MAINTENANCE OF THE HNU PI - 101
✓	5.2	USE, CALIBRATION, AND MAINTENANCE OF THE PHOTOVAC 10A10
	5.3	USE, CALIBRATION, AND MAINTENANCE OF THE OVA-128
	5.4	USE, CALIBRATION, AND MAINTENANCE OF THE RADIATION MINI-ALERT
	5.5	USE, CALIBRATION, AND MAINTENANCE OF THE MSA EXPLOSIMETER
	5.6	USE, CALIBRATION, AND MAINTENANCE MSA OXYGEN INDICATOR
	5.7	USE, CALIBRATION, AND MAINTENANCE HACH MODEL 19000 DIGITAL pH METER
	5.8	USE OF THE BUNG SPINNER REMOTE DRUM OPENING EQUIPMENT
✓	6.0	LOG BOOK AND DOCUMENTATION REQUIREMENTS
✓	7.0	FIELD OBSERVATIONS
✓	8.0	SAMPLE TYPES AND COLLECTION
✓	8.1	INTRODUCTION AND OVERVIEW
✓	8.2	SAMPLING RESPONSIBILITY
✓	8.3	SAMPLING EQUIPMENT
✓	8.4	SAMPLING PROCEDURES
✓	8.4.1	INTRODUCTION TO WATER SAMPLING
✓	8.4.2.0	SURFACE WATER SAMPLES

SECTION

APPENDICES

SECTION

2) Check below to indicate the documents which will be generated in the course of the project (both deliverable and non-deliverable):

- ✓ Final Report
- ✓ Draft Report
- ✓ Field Trip Report
- ✓ Logbook
- ✓ Photographs and Negatives
- ✓ Well Questionnaires
- ✓ Safety Plan
- ✓ Site Safety Follow-up Report
- ✓ Task Related Correspondence
- ✓ Report Processing Forms
- ✓ Telecon Records
- ✓ TDD
- ✓ EPA File Information
- _ State File Information
- ✓ Completion Document
- ✓ Laboratory Data
- ✓ Organic Traffic Report
- ✓ Inorganic Traffic Report
- ✓ Chain of Custody Forms
- ✓ Sample Receipts
- ✓ Site Sampling Plan
- ✓ Sample Tags
- ✓ Airbills

3) List below any specific techniques to be implemented during the course of the project (i.e., planned deviations from or additions to the Work Plan SI - 1, Rev. No. 1): N/A

4) Attach to this work plan the following items:

TDD
Site Sampling Plan
Site Safety Plan

5) Complete the following work plan checklist:

Indicate where the item may be found or indicate N/A	Item
T, WPA	1. SDD/TDD/ WA number
T, WPA	2. EPA site identification
T	3. Description of assignment
T, WPA, SP	4. Technical approach
WDSI-1	5. Task breakdown of assignment
WPA	6. Account number
T	7. Estimated technical hours
N/A	8. Estimated subcontract cost
T	9. Priority of work
WDA, SP, HS	10. Project Manager identification
HS	11. Project personnel requirements
HS	12. Personnel assignments
SP, HS	13. Schedule for activities
N/A	14. Milestones
WPSI-1	15. Background data
SP, HS	16. Data assessment summary
N/A	17. Required resources list
WPSI-1	18. Cost and budget management
N/A	19. Procurement planning
N/A	20. Special training requirements
T, WPSI-1	21. Interface requirements
T, WPSI-1	22. Access requirements planning
WPA	23. Documents to be generated
N/A	24. Management reports
WPA, WPSI-1	25. Report/ product requirements
WPSI-1	26. Report/ product review
SP, WPA	27. Quality control requirements
WPSI-1	28. Quality assurance requirements
N/A	29. Community relations assistance requirements
HS	30. Emergency planning considerations
HS	31. Health and safety requirements

T = TPD
HS = Safety Plan
SP = Sampling Plan
WPSI-1 = Generic Work Plan
WPA = Work Plan Amendment

6) Compute the estimated cost associated with the analytical support required:

Type of Analysis	Unit Cost	No. of Samples	Total Analysis Cost
HSL Organics	$850.00	17	14450
Pesticide/PCB Extraction and Analysis	$264.00		
BNA Extraction and Analysis	$352.00		
Volatile Organics	$203.00		
Inorganics	$150.00	17	2550
Dioxin	$350.00		

Total estimated cost of analysis request 17,000

* These quotes are used for estimating only and are subject to price quote changes for analysis.

University of Pittsburgh

SCHOOL OF MEDICINE
Department of Medicine
Program in Occupational Medicine

Emergency Physician Access Plan

NUS Corporation, Superfund Division

December, 1983

A. MONDAY THROUGH FRIDAY, 9:00 A.M. - 5:00 P.M.

Dial the (412) 648-3240 number. When answered state that:

(1) you are calling from NUS Corporation;
(2) this is an emergency call.

Program staff will be alerted how to contact the physician designated to provide emergency coverage on that day. Collect calls will be accepted.

B. EVENINGS, WEEK-ENDS & HOLIDAYS:

Dial the (412) 648-3240 number. An operator from the answering service will answer the telephone. Do the following:

(1) tell the operator that you are calling from NUS Corporation
(2) tell the operator that this is an emergency call
(3) give her your name
(4) give her the telephone number where the physician is to call. Be certain that she has written the correct number (area code and seven digits)
(5) if you do not receive a call back within 15 minutes place a second call to (412)648-3240

Collect calls will be accepted.

C. SITUATIONS WHERE EMPLOYEE REQUIRES IMMEDIATE TRANSPORT TO A HOSPITAL:

If the situation is life-threatening, ie., cardiac arrest or person not breathing call the emergency medical services system and transport the person to the nearest hospital with advanced life support capabilities.

After obtaining assistance as stated above, call the (412)648-3240 number and follow the procedures in A or B as appropriate.

3601 FIFTH AVENUE, PITTSBURGH, PA 15213

TDD No.: 8701-03

Site Name: Southern Die Casters

Background Information:

Site Status: X Active ____ Inactive ____ Unknown

Site Description (be specific): Site is an Active Die Casting facility. One of 3 industries in a small industrial site. Prominent landmarks onsite include a small area devoid of vegetation, an old vegetation kill (spill) area, old drum storage area, and a former septic field area. Sampling will take place at the above mentioned areas

Site History: Two offsite wells have been contaminated with 111 TCE. A spill had taken place on-site and vegetation died. The company has reported using approximately 5 gallons 111TCE/3 months

Waste Types: X Liquid ____ Solid ____ Sludge ____ Gas

Characteristics: ____ Corrosive ____ Ignitable ____ Radioactive
X Volatile X Toxic ____ Reactive
____ Unknown
____ Other: _____

Hazard Evaluation:

Known or Suspected Hazardous/Toxic Materials: 1,1,1 Trichloroethane has been reported in an offsite well at a concentration of 4 ppm

Toxic and Pharmacologic Effects: Liquid & Vapor irritates eyes on contact. Repeated skin contact → dry, scaly, fissured dermatitis. Acts as a central nervous system depressant. STEL = 450 ppm TLV 350 ppm

Reactivity, Stability, Flammability: Reacts with hot metal, nonflammable

Overall Hazard: ____ Serious ____ Moderate
X Low ____ Unknown

TDD No.: 8701-03

Site Name: Southern Die Casters

Proposed On-site Activities: Soil sampling with auger and pickt shovel, 2 surface soils will be collected. 6 off-site wells will be sampled

Perimeter Establishment:

Map/Sketch attached? X

Perimeter identified? X

Zone(s) of contamination identified? ____

Recommended Level(s) of Protection:

o Respiratory: D

Modifications: Upgrade to level B if HNU readings exceed background. 10 ppm above

o Field Dress: Safety Shoes / Surgical gloves under Work Gloves. Coveralls ~~optional~~ MJC 2/5/87

Modifications: upgrade, if necessary to level B

Monitoring Procedures:

Site Monitoring Equipment:

- ✓ HNU
- ___ OVA
- ___ Photovac
- ___ Drager Tube & Pump
- ___ Victoreen Radiation Detector
- ___ Other: ____
- ✓ TLD Badge
- ✓ Radiation mini-alert
- ___ Explosimeter
- ___ O_2 meter

Methods for Surveillance: Constant

Special Procedures: Avoid dermal (skin) contact.

TDD No.: 8701-03

Site Name: Southern Die Casters

Decontamination and Disposal:

Decontamination Procedure: (X) level to be utilized

____ Level A - Segregated equipment drop, boot cover and glove wash, boot cover and glove rinse, tape removal, boot cover removal, outer glove removal, suit and hard hat removal, SCBA backpack removal, inner glove wash, inner glove removal, inner clothing removal, field wash, redress.

____ Level B - Segregated equipment drop, boot cover and glove wash, boot cover and glove rinse, tape removal, boot cover removal, outer glove removal, suit/safety removal) SCBA backpack removal, inner glove wash, inner glove rinse, facepiece removal, inner glove removal, inner clothing removal, field wash, redress.

____ Level C - Segregated equipment drop, boot cover and glove wash, boot cover and glove rinse, tape removal, boot cover removal, outer glove removal, suit/safety boot wash, suit/safety boot rinse (Canister or Mask Change), safety boot removal, splash suit removal, inner glove wash, inner glove rinse, facepiece removal, inner glove removal, inner clothing removal, field wash, redress.

__X__ Level D - Segregated equipment drop, boot and glove wash, boot and glove rinse.

____ Modifications (specify): upgrade to level B if necessary

Disposal Procedure for Investigation Derived Materials: on-site disposal

Emergency Procedures for Overt Personnel Exposure:

o Skin Contact: Wash immediately

o Inhalation: Fresh air, artificial respiration if necessary, transport to hospital.

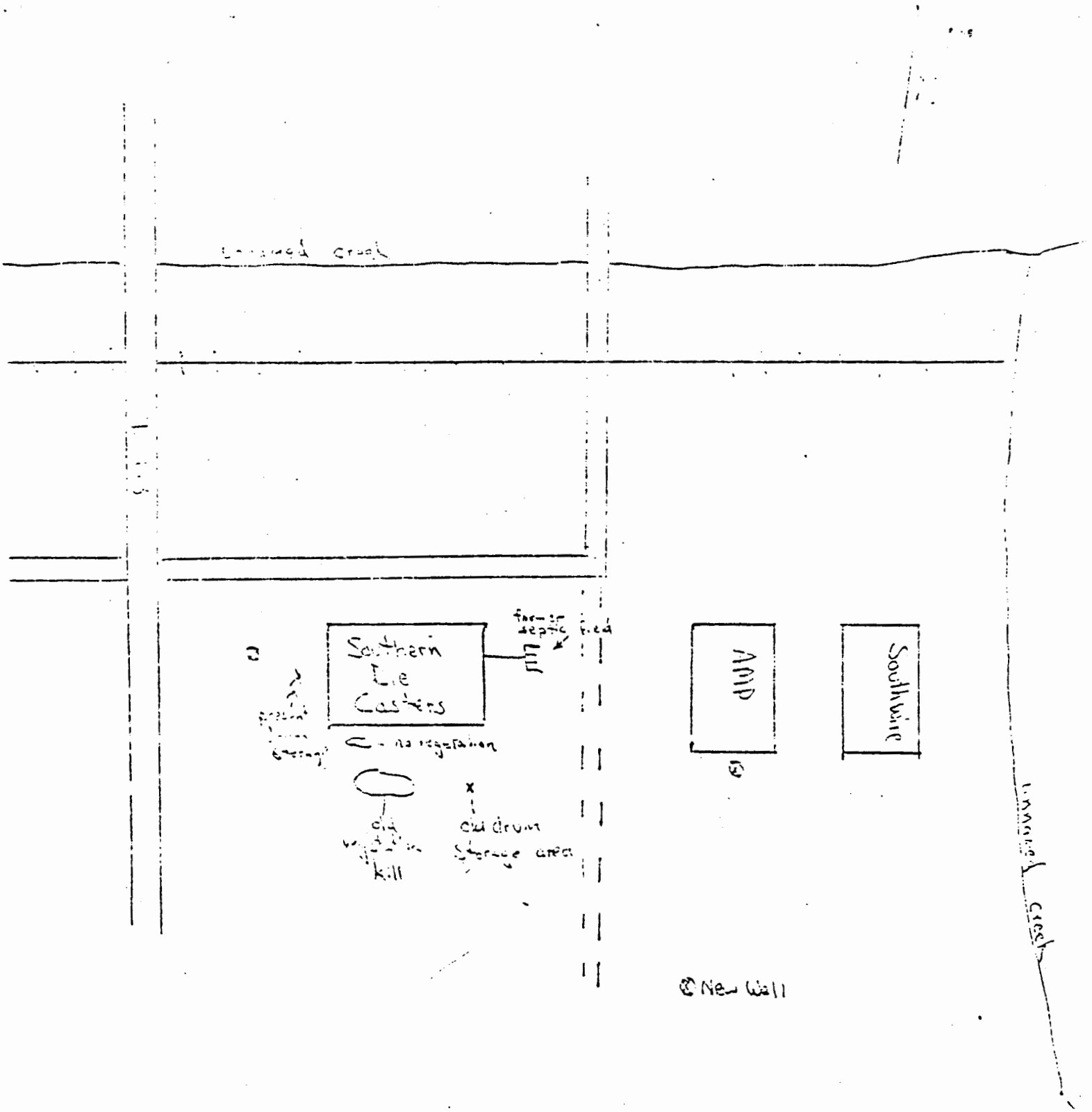
Ionizing Radiation: Normal background 0.01 to 0.02 mR/hr

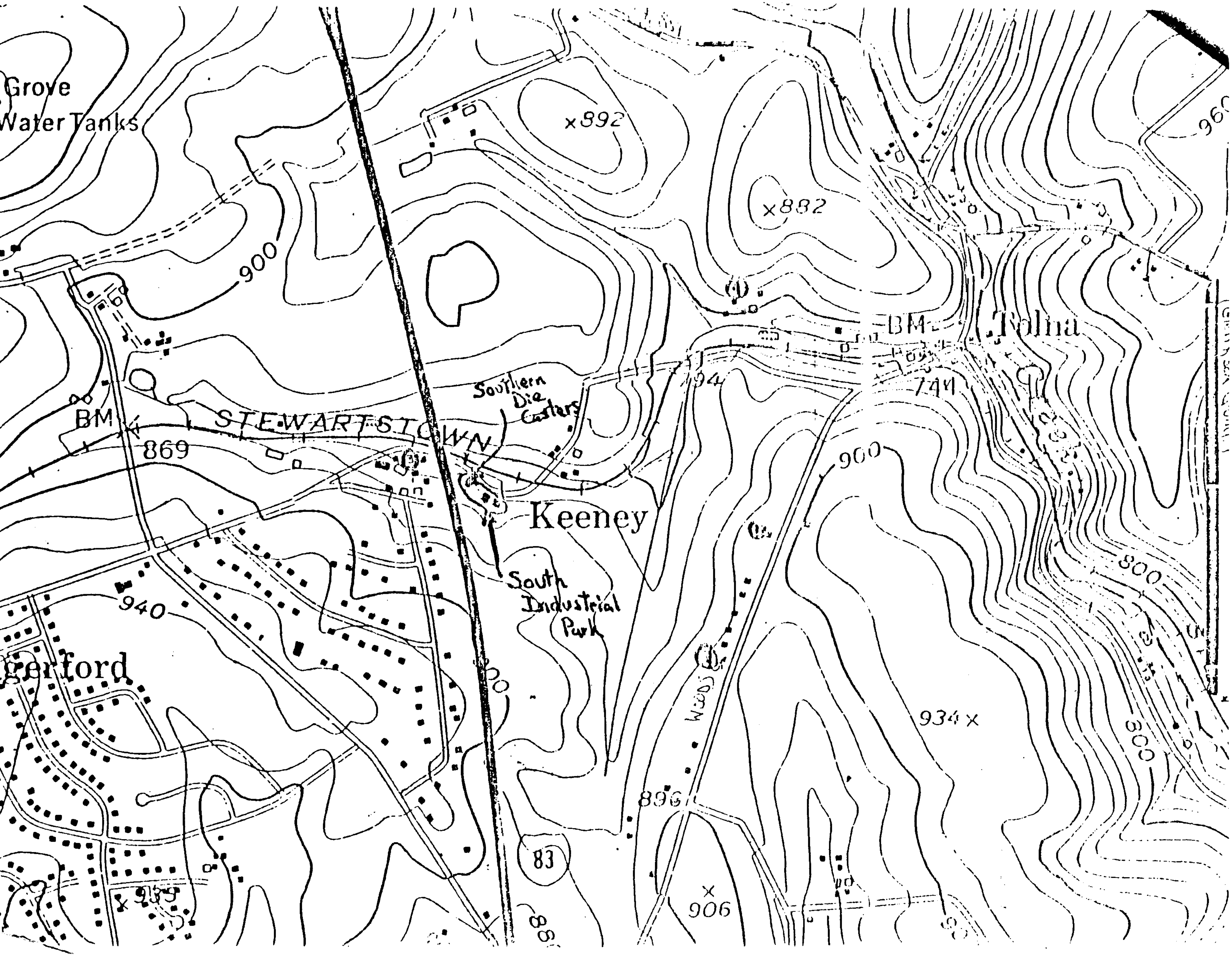
If less than 2 mR/hr, continue investigation with caution.

If greater than 2 mR/hr, evacuate site.

* Note: Background 10-20 CPM on mini-alert

Southern Die Castings




Grove
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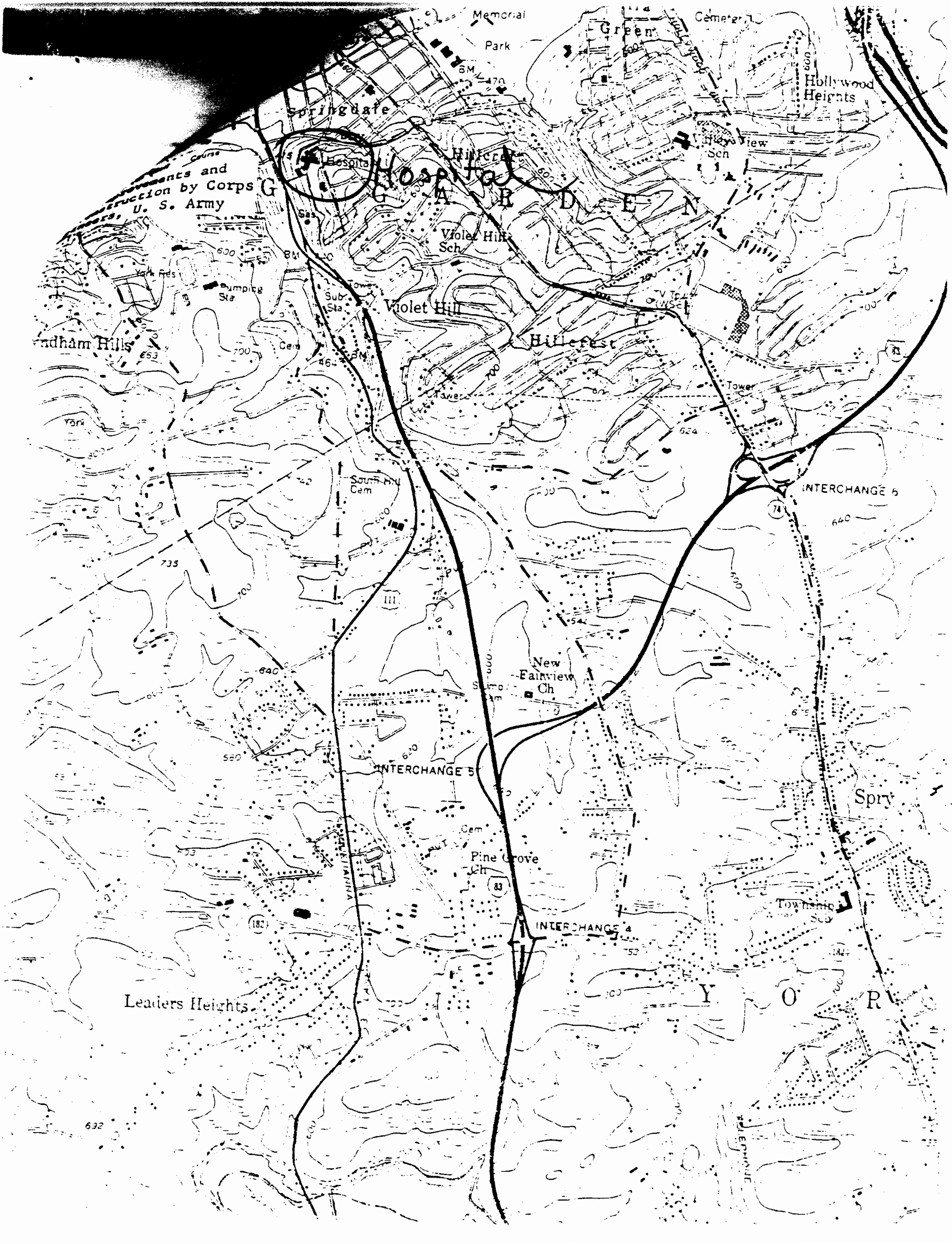

Memorial
Park
Cemetery
Green
Hollywood Heights
Springdale
Hospital
Hospital
Hillcrest
Valley View Sch
Improvements and
construction by Corps
of Engineers, U. S. Army
G A R D E N
Violet Hill Sch
York Res
Pumping Sta
Sub Sta
Tower
Violet Hill
Hillcrest
Wyndham Hills
Cem
Tower
Tower
York
South Hill Cem
INTERCHANGE 6
New Fairview Ch
INTERCHANGE 5
Spry
Cem
Pine Grove Ch
Township Sch
INTERCHANGE 4
Leaders Heights
Y O R

8701-03-13

NUS CORPORATION AND SUBSIDIARIES — **TELECON NOTE**

CONTROL NO:	DATE:	TIME:
	2/4/87	09:30

DISTRIBUTION: 8701-03
Southern Die Casters

BETWEEN:	OF:	PHONE:
Rich Watman	USEPA SIO	(215) 597-3155

AND: Michael E Snyder NUS

DISCUSSION:

I called Rich to discuss/confirm sampling plan. He said he recieved the rough maps I sent down to him yesterday but has misplaced them. He will call back. I told him sampling plan is currently being reviewed & typed by our office.

09:45 Rich Calls back, I discussed with all proposed sample locations for the site with him. He said they sounded fine. He also said to check our files to see if any work has been done for the AMP facility maybe an HRS I said I would + would get back to him if we have info. Michael E Snyder

10:05 checked file info - AMP has numerous facilities in York Co. The AMP facility near Southern Die Casters is not the facility that we performed an HRS on. - A. Frebowitz talked to Rich

ACTION ITEMS:

@ ~ 10:45 and relayed info.

NUS 067 REVISED 0685

8701-03-03

NUS CORPORATION
992 OLD EAGLE SCHOOL ROAD, SUITE 916
WAYNE, PENNSYLVANIA 19087
215-687-9510

our 25th year

February 4, 1987
C-585-2-7-12
68-01-7346

Mr. Harold Byer
U.S. Environmental Protection Agency
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, PA 19107

Subject: Sampling Plan
TDD No. F3-8701-03
Southern Die Casters
Shewsbury Township, Pennsylvania

Dear Mr. Byer:

The site inspection for the subject site has been scheduled for Wednesday, February 11, 1987. Mr. Ronald Ayres, site owner, has granted site access and will accompany the FIT during the inspection.

Summary

The subject site is one of the three active facilities located in a small industrial park in Shrewsbury Township, York County, Pennsylvania. The industries are Southern Die Casters, AMP, and Southwire.

In 1984, 1,1,1-trichloroethane (1,1,1-TCE) contamination was identified in the groundwater well that services the AMP and Southwire facilities. Sampling efforts, conducted by the Pennsylvania Department of Environmental Resources (PA DER) in 1985, revealed concentrations of 300 ppb 1,1,1-TCE in the AMP and Southwire well, and 16 ppb 1,1,1-TCE in the well servicing Southern Die Casters. According to a preliminary assessment performed by PA DER on February 6, 1986, representatives for the AMP and Southwire facilities maintain that their buildings have been used solely for warehousing purposes.

Also, according to the PA DER preliminary assessment, Southern Die Casters representatives have reported using 1,1,1-TCE for parts washing and that the members of the industrial park utilized private septic systems until some time in late 1983, when public sewage was provided.

Geology Information

The site has been mapped as being underlain by blue-green albite-chlorite-muscovite-quartz schist of the Wissahickon Formation of probable Lower Paleozoic age. Thin parallel bands of infolded mitabasalt of the Wissahickon Formation also crop out within a three-mile radius of the site. An outcrop of infolded metabasalt has been mapped less than 1/4 mile southeast of the site. The metabasalt is lithologically described as altered basaltic flows, which are green, schistose, and contain hornblende, epidote, chlorite, and quartz. The thicknesses of the albite-chlorite-muscovite-quartz schist and the metabasalt are not known.

Groundwater Information

The occurrence and movement of groundwater in the crystalline rocks of the Wissahickon Formation is primarily along planes of cleavage and schistosity, and along fractures such as joints. Intergranular groundwater flow occurs only within unconsolidated rock material of the weathered zone above more competent bedrock.

Water-bearing zones in the Wissahickon are reported to occur consistently between land surface and a depth of approximately 400 feet. The specific-capacity data on the Wissahickon Formation indicate that the Wissahickon is one of the most productive aquifers of central and southern York County. The yield of the average well constructed in the Wissahickon would probably be 30 gallons per minute (gpm) after pumping 24 hours. One of 4 wells drilled 400 feet would yield 80 gpm after pumping 24 hours. The maximum yield reported for the well constructed in the Wisshickon Formation is 150 gpm.

Sampling to Date

Sampling of the groundwater well servicing AMP and Southwire, conducted by PA DER in October 1984, revealed the presence of 410 ppb, 1,1,1-TCE, and lesser concentrations of other organics. Sampling conducted in November 1985 revealed the presence of 16 ppb 1,1,1-TCE in the groundwater servicing Southern Die Casters and 300 ppb 1,1,1-TCE in the groundwater well servicing AMP and Southwire.

Sampling of an additional well installed near the AMP facility, some time during 1985, revealed the presence of 1,420 ppb 1,1,1-TCE.

Proposed Sample Locations

The well servicing the Southern Die Casters facility, the well servicing the AMP and Southwire facilities, and the new well servicing the AMP facility shall be sampled in accordance with WPSI-1, Rev. 1, Sections 8.4.3 and 8.4.3.1.

- Three nearby private residential potable water sources will be field identified and sampled in accordance with WPSI-1, Rev. 1., Sections 8.4.3 and 8.4.3.1.

- Surface soil will be sampled at the "no vegetation" and "old vegetation kill" areas in accordance with WPSI-1, Rev. 1, Sections 8.4.5 and 8.4.5.1.

- Subsurface soil will be sampled in accordance with WPSI-1, Rev. 1, Sections 8.4.5, 8.4.5.1, methods 1 and 2 at the following locations:

    - The "old vegetation kill" area
        - A grab sample will be obtained at a depth of one foot.

    - The "old drum storage" area
        - A composite sample will be obtained from grab samples at depths of .5, 1, and 1.5 feet.

    - The "former septic field" area (two sample locations)
        - Composite samples will be obtained from grab samples at depths of one, two, and three feet
        - Grab samples will be collected from a depth greater than three feet.

The number of samples to be obtained is 7 aqueous and 10 solid, including blank and duplicate samples. Sample analyses will be performed for organics and inorganics tasks 1 and 2, and 3 for cyanide.

Michael Snyder has been appointed Team Leader and will be responsible for the sampling plan.

Please endorse below and return with your approval or amendments to this plan. If you have any questions, please feel free to contact either Thomas Fromm or me.

Respectfully,

William Wentworth for
Garth Glenn
Reg. Operations
Manager, FIT 3

William Wentworth for
Thomas Fromm
Assistant Manager

Bruce R. Pluta
Quality Assurance

GG/rmk

Attachments

Approved by: _____

Date: 2-9-87

Amendments: _____

_____

_____

FIT ZONE I CONTRACT
CONTRACT NO. 68-01-7346
TECHNICAL DIRECTIVE DOCUMENT (TDD)

1.A. COST CENTER: Region 3

1.B. ACCOUNT NO.: S575PAB2SI

2. NO.: F3-8701-03

2.A.: [X] NEW ASSIGNMENT [ ] AMENDMENT

3.A. PRIORITY: [X] HIGH [ ] MEDIUM [ ] LOW

4.A. ESTIMATE OF TECHNICAL HOURS: 250

5.A. SSID NO.:

5.B. EPA SITE NAME: PA-1995 Southern Die Casters

5.C. CITY/COUNTY/STATE: Shrewsburg, York, PA.

6. DESIRED REPORT FORM: [X] FORMAL REPORT [ ] FORMAL BRIEFING [ ] LETTER REPORT [ ] OTHER (SPECIFY):

3.B. KEY EPA CONTACT: NAME: L. Acker PHONE: 597-3165

4.B. ESTIMATE OF SUBCONTRACT COST:

7.A. START DATE: 02/87

7.B. ESTIMATED COMPLETION DATE: 08/31/87

8. TYPE OF ACTIVITY:
[ ] PA [X] SI [ ] ESI [ ] HRS SUPPORT [ ] QA SUPPORT [ ] SPECIAL STUDIES
[ ] ENFORCEMENT SUPPORT [ ] TRAINING [ ] EQUIPMENT MAINTENANCE
[ ] GENERAL TECHNICAL ASSISTANCE [ ] PROGRAM MANAGEMENT

9. GENERAL TASK DESCRIPTION:
Perform a site inspection of the subject site.

10. SPECIFIC ELEMENTS:
1.) Review background information.
2.) Contact state and local agencies for relevant information.
3.) Prepare and submit sampling plan to EPA for approval.
4.) Coordinate lab analysis. Arrange for site access.
5.) Conduct an on and off site inspection and sampling.
6.) Take and ship samples according to standard protocol.
7.) Prepare and submit field trip report, due two weeks after site inspection.
8.) Perform quality assurance review of lab data. + submit immediately w/samp map (WB
9.) Prepare and submit report, include in cover letter recommendations for need of HRS.
10.) All work on this project to be performed according to: WP-SI-1, Rev. 1.
[ ] ADDITIONAL SCOPE ATTACHED

11. INTERIM DEADLINES:

12. COMMENTS: State Code 042 County Code 133

13. AUTHORIZING: [X] RPO [ ] DPO [ ] PO — Harold G Byer (SIGNATURE)

14. DATE: 1/21/87

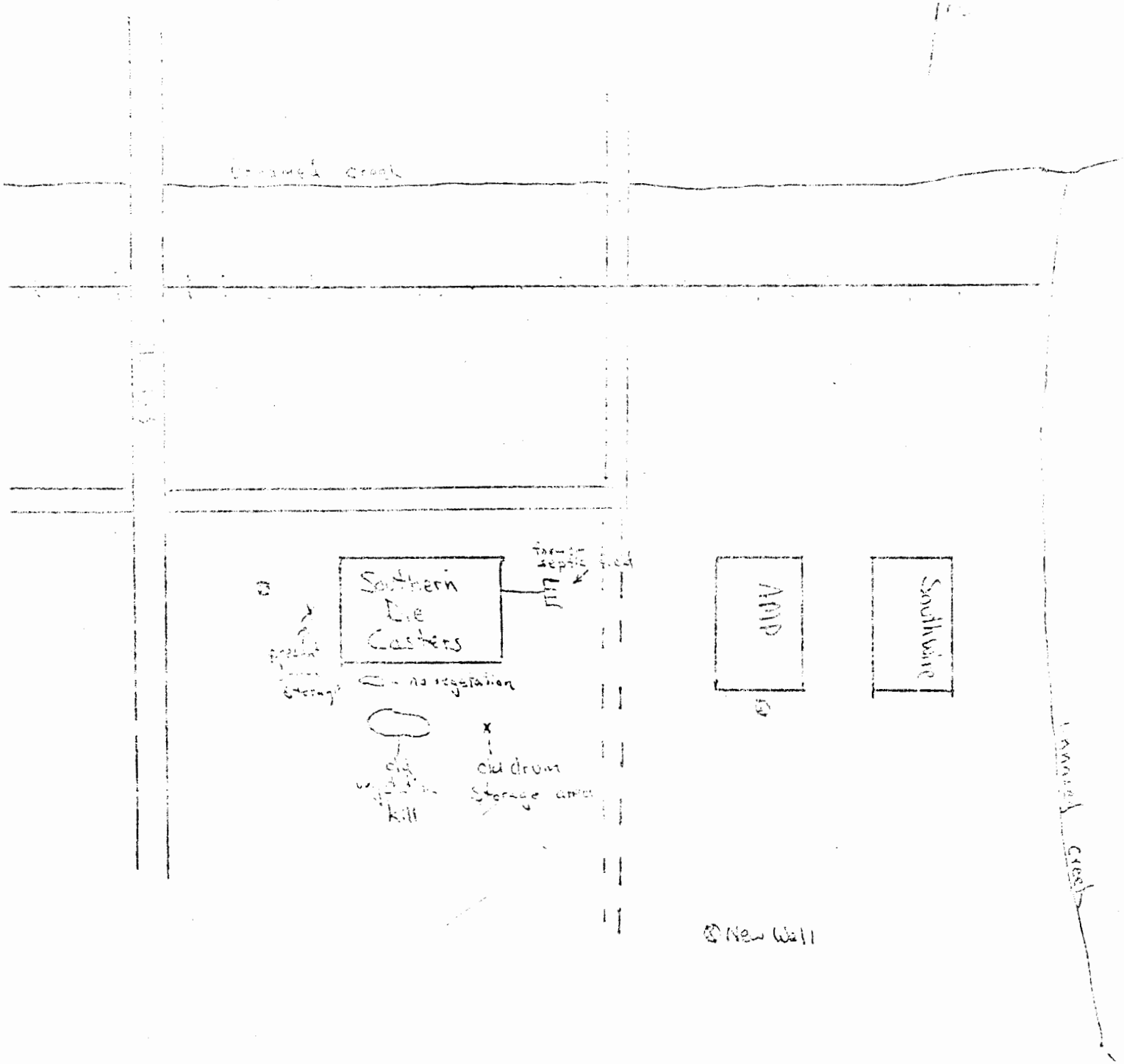
15. RECEIVED BY: [X] ACCEPTED [ ] ACCEPTED WITH EXCEPTIONS (ATTACH) [ ] REJECTED — Sara Wallace (CONTRACTOR FITOM SIGNATURE)

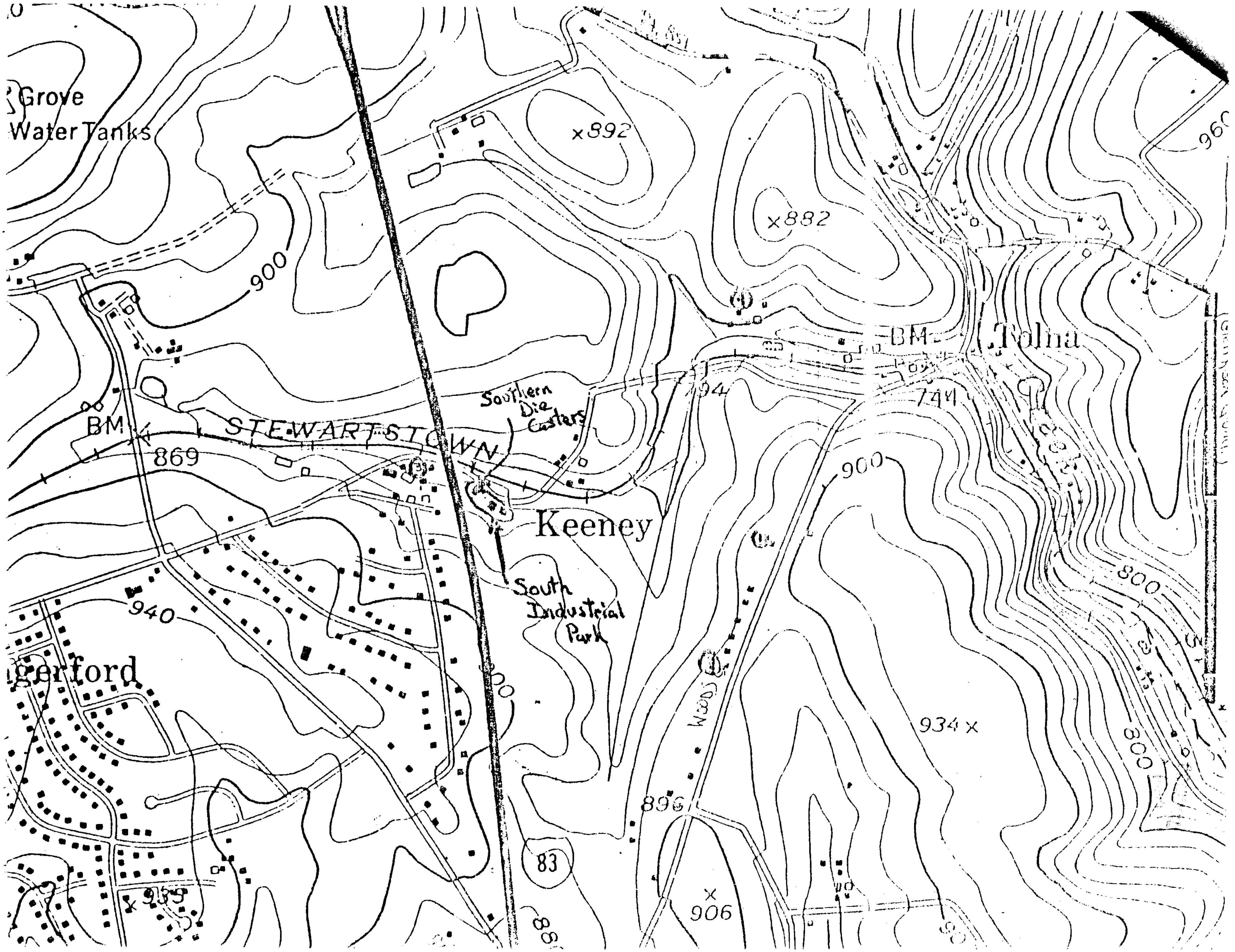
16. DATE: 1/28/87

SHEET 1 WHITE-FITOM COPY
SHEET 2 GREEN-PROJECT OFFICER'S COPY (WASHINGTON D.C.)
SHEET 3 CANARY-RPO COPY
SHEET 4 PINK-ZPM COPY
SHEET 5 GOLDENROD-CONTRACTING OFFICER'S COPY (WASHINGTON D.C.)

Site Map ⊙ = well

Southern Die Castings




Grove
Water Tanks
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Keeney
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8701-03-06

R-585-2-7-27

PRELIMINARY FIELD TRIP REPORT
FOR
SOUTHERN DIE CASTERS
SHREWSBURY TOWNSHIP, PENNSYLVANIA
EPA NO. PA-1995
TDD NO. F3-8701-03

1.0 FIELD TRIP REPORT

1.1 Summary

On Wednesday, February 11, 1987, NUS FIT 3 staff members Michael Snyder, Paul Dietrich, Audrey Fleisher, Elizabeth Coughlin, Charles Salomon, and Joseph Garzio conducted a site inspection of the Southern Die Casters site, located in Shrewsbury Township, York County, Pennsylvania.

NUS FIT 3 met with Brian Ayres, the site representative, who accompanied the team during a site walk prior to the sampling activities.

Weather conditions during the site visit were partly cloudy, with temperatures ranging from 30°F to 35°F.

1.2 Persons Contacted

1.2.1 Prior To Field Trip

Ronald Ayres
President
Southern Die Casters, Inc.
Southern Industrial Park
Box 158
Shrewsbury, PA 17361
(717) 235-4805

Harold M. King
King and Sanders Cambria Corp.
13408 Jarretsville Pike
Phoenix, MD 21131
(301) 666-0449

John McCullough
AMP, Inc.
Industrial Drive and Tolna Road
Southern Industrial Park
Shrewsbury, PA 17361
(717) 235-7522

Frank Fair
Operations Supervisor
PA DER Bureau of Solid Waste Management
Harrisburg, PA 17110
(717) 657-4585

1.3 Site Observations

- The HNU background reading was 0.4 ppm; no readings above background were recorded.

- The mini-alert was set on the 1X position; no readings above background were recorded.

- During the site reconnaissance conducted by FIT 3 prior to sampling activities, two areas previously identified by the Pennsylvania Department of Environmental Resources (PA DER) preliminary assessment could not be pinpointed. The areas are identified by PA DER as the "old vegetation kill" area and the "old drum storage" area. After discussing the locations with Brian Ayres, the locations were approximated.

- The area of "no vegetation," as noted by the PA DER preliminary assessment, was observed. The area was located adjacent to a bay access door utilized by the facility. Brian Ayres indicated that trucks often parked at this area and, when conditions were muddy, the grass was dug up. This area of no vegetation was characterized by tire tracks and ruts. A surface soil sample was not obtained at this location.

- The "new well," located upslope from the AMP facility, had been identified in the PA DER preliminary assessment as a water supply well. Upon FIT 3's arrival at the AMP facility, David Runkle, of AMP, Incorporated, informed FIT 3 that this well was never used as a water supply and does not contain a pump. Lacking the proper sampling equipment, the FIT did not sample the well.

- Representatives of Southern Die Casters and AMP reported utilizing bottled water for drinking purposes; however, both reported using their water supplies for handwashing and sanitary purposes.

- Three private residential water supplies were sampled. The nearest residential supply sampled was located approximately 500 feet west of the site. All residents sampled reported utilizing their water supplies for drinking, as well as other domestic uses. No residents reported taste, odor, or other problems.

- During a conversation between Michael Snyder and David Runkle, Mr. Runkle indicated that possible sources of contamination may include a dumping area utilized by local residents and a truck stop/rest area. Both areas are located at the southern end of the industrial park, upslope of the industries.

ATTACHMENT 1

8701-03-02

FIT ZONE I CONTRACT
CONTRACT NO. 68-01-7346
TECHNICAL DIRECTIVE DOCUMENT (TDD)

1.A. COST CENTER: Region 3

1.B. ACCOUNT NO.: S575PAB2SI

2. NO.: F3-8701-03

2.A.: [X] NEW ASSIGNMENT [ ] AMENDMENT

3.A. PRIORITY: [X] HIGH [ ] MEDIUM [ ] LOW

4.A. ESTIMATE OF TECHNICAL HOURS: 250

5.A. SSID NO.:

5.B. EPA SITE NAME: PA-1995 Southern Die Casters

6. DESIRED REPORT FORM: [X] FORMAL REPORT [ ] FORMAL BRIEFING [ ] LETTER REPORT [ ] OTHER (SPECIFY):

3.B. KEY EPA CONTACT: NAME: L. Acker PHONE: 597-3165

4.B. ESTIMATE OF SUBCONTRACT COST:

5.C. CITY/COUNTY/STATE: Shrewsburg, York, PA.

7.A. START DATE: 02/87

7.B. ESTIMATED COMPLETION DATE: 08/31/87

8. TYPE OF ACTIVITY:
[ ] PA [X] SI [ ] ESI [ ] HRS SUPPORT [ ] QA SUPPORT [ ] SPECIAL STUDIES
[ ] ENFORCEMENT SUPPORT [ ] TRAINING [ ] EQUIPMENT MAINTENANCE
[ ] GENERAL TECHNICAL ASSISTANCE [ ] PROGRAM MANAGEMENT

9. GENERAL TASK DESCRIPTION:
Perform a site inspection of the subject site.

10. SPECIFIC ELEMENTS:
1.) Review background information.
2.) Contact state and local agencies for relevant information.
3.) Prepare and submit sampling plan to EPA for approval.
4.) Coordinate lab analysis. Arrange for site access.
5.) Conduct an on and off site inspection and sampling.
6.) Take and ship samples according to standard protocol.
7.) Prepare and submit field trip report, due two weeks after site inspection.
8.) Perform quality assurance review of lab data. + submit immediately w/ samp map 1&B
9.) Prepare and submit report, include in cover letter recommendations for need of HRS.
10.) All work on this project to be performed according to: WP-SI-1, Rev. 1.
[ ] ADDITIONAL SCOPE ATTACHED

11. INTERIM DEADLINES:

12. COMMENTS:
State Code 042 County Code 133

13. AUTHORIZING: [X] RPO [ ] DPO [ ] PO
Harold G Byer (SIGNATURE)

14. DATE: 1/21/87

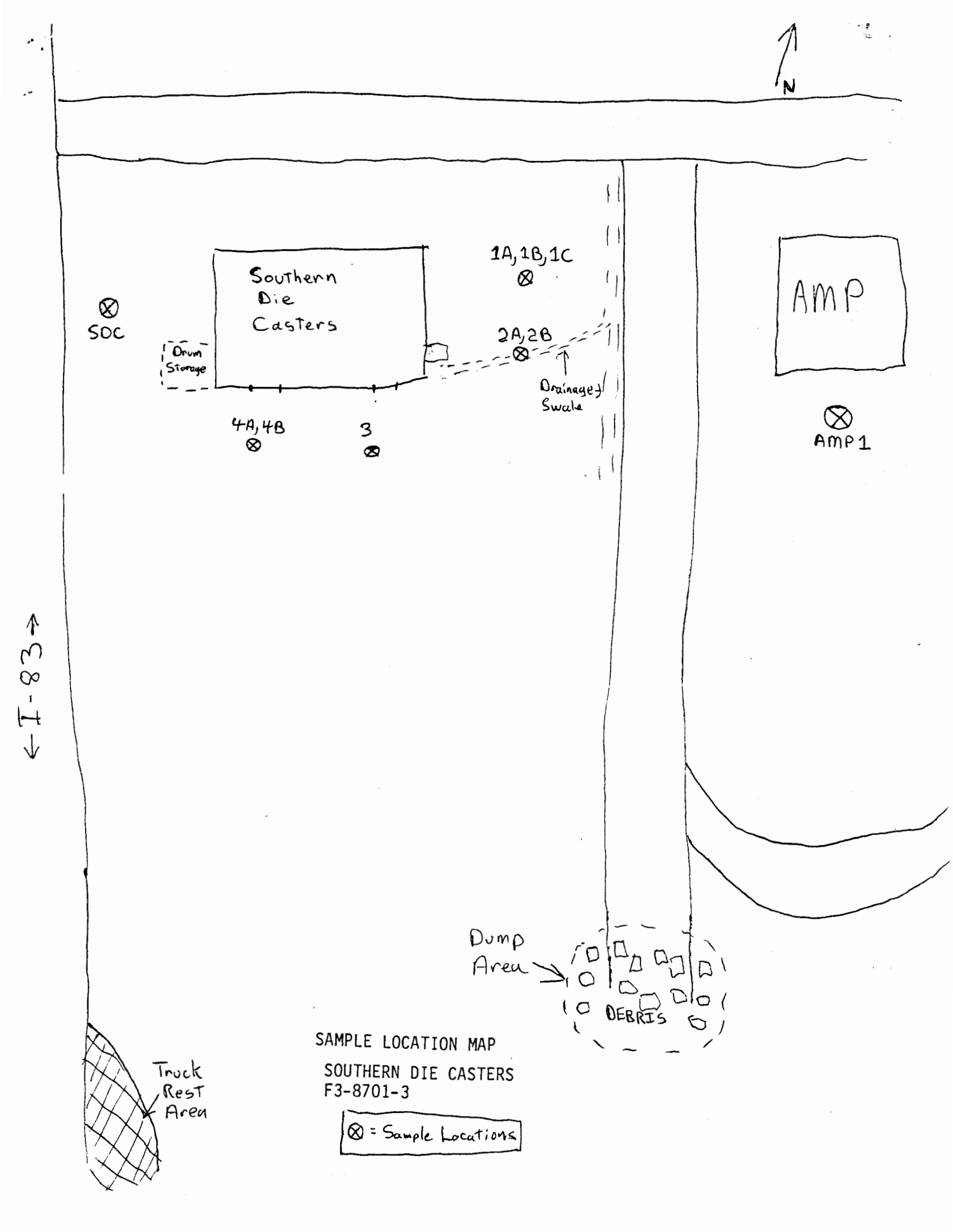
15. RECEIVED BY: [X] ACCEPTED [ ] ACCEPTED WITH EXCEPTIONS (ATTACH) [ ] REJECTED
Donna Wallace (CONTRACTOR FITOM SIGNATURE)

16. DATE: 1/28/87

SHEET 1 WHITE-FITOM COPY

SHEET 3 CANARY-RPO COPY

ATTACHMENT 2


N
Southern Die Casters
Drum Storage
SOC
1A, 1B, 1C
2A, 2B
Drainage Swale
4A, 4B
3
AMP
AMP 1
I-83
Dump Area
DEBRIS
Truck Rest Area
SAMPLE LOCATION MAP
SOUTHERN DIE CASTERS
F3-8701-3
⊗ = Sample Locations

ATTACHMENT 3

TDD Number F3-8701-03
EPA Number PA-1995

SAMPLE LOG

Site Name Southern Die Casters

TRAFFIC REPORTS Organic	Inorganic	High Hazard	SAMPLING LOCATION	PHASE	SAMPLE DESCRIPTION	DATE	TIME	pH	COMMENTS/OBSERVATIONS	LABORATORY
CF697	MCE 111		1A: Septic Field	Sol.	Composite Auger Grabs at 1, 2, 3 feet	2/11/87	10:10	–		ORGANICS
CF698	MCE 112		1B: Septic Field	Sol	Auger: Grab at 5ft. 10 in.		10:40	–		PEI Assoc. Cincinatti OH
CF699	MCE 113		1C: Septic Field	Sol	Duplicate of 1B		10:40	–		
CF454	MCE 114		2A: Drainage Swale South of Septic Field	Sol	Composite Auger Grabs at 1, 2, 3 ft.		10:12	–		INORGANIC
CF455	MCE 115		2B: Drainage Swale South of Septic Field	Sol	Auger: Grab at 5 feet		10:22	–		Ebasco-Hittman Colombia MD
CF456	MCE 116		3: Old Drum Storage	Sol	Composite Auger Grabs at 1, 2, 2.5 feet		11:20	–		
CF500	MCE 117		4A: Old Vegetation Kill	Sol	Composite Auger Grabs at 1, 2, 3 feet		11:40	–		
CF501	MCE 118		4B: Old Vegetation Kill	Sol	Auger: Grab at 5.5 ft.		11:15	–		
CF503	MCE 120		SDC: Southern Die Caster Well	Aq	Production Well		09:20		Not used for Drinking. Uses → Handwashing, Sanitary	
CF504	MCE 121		AMP1: AMP, Inc. Well	Aq	Production Well		09:40		Not used for Drinking Uses → Handwashing, Sanitary	
CF506	MCE 123		HW1: Private, resident ~~well~~ spring	Aq	Underground Spring		10:00		Uses → Drinking, Domestic	
CF507	MCE 124		HW2: Private, resident Well	Aq	Well ≈ 50 ft. deep		10:15		Uses → Drinking, Domestic	
CF508	MCE 125		HW3: Private residente	Aq	Underground Spring		10:30		Uses → Drinking, Domestic	
CF509	MCE 126		X:	Aq	Blank		10:45			
CF510	MCE 127		XX	Sol	Blank		10:35			

8701-03-11

NUS CORPORATION AND SUBSIDIARIES — **TELECON NOTE**

CONTROL NO:	DATE: 1/5/87	TIME: 18:30

DISTRIBUTION: 8701-03
Southern Die Casters

BETWEEN: Mr. Harold M. King	OF: Owner of property AMP & Southwire Leases	PHONE: (301) 666-0449

AND: Michael E Snyder NUS

DISCUSSION:

I Asked Mr. King if he had any problem with us sampling the Two wells located on his property in Shrewsbury Twp. More specifically the old & new wells servicing the AMP and Southwire facilities. He said no problem. He asked why. I gave him Rich Watman's (EPASIO) phone number. Told him I would call Dave Runkle AMP to set things up.

Michael E Snyder 1/5/87

ACTION ITEMS:

NUS 067 REVISED 0685

8701-03-09

NUS CORPORATION — **TELECON NOTE**

CONTROL NO:	DATE:	TIME:
	2/3/86	16:00

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Mr. Frank Fair	PA DER	(717)657-4588

AND:

Paul Dietrick (NUS)

DISCUSSION:

I asked why Mr. Fair recommended the use of a explosimeter. He stated that it is common practice for himself to utilize the instrument on old landfill in order to detect any possible methane gases.

I informed Mr. Fair that Mike Snyder will be conducting a site inspection on Southern Di Caster, York County, on Feb. 11. PA DER is welcome to accompany FIT III if they wish to do so.

2/3/86

ACTION ITEMS:

NUS 067 REVISED 0581

LIST O – CONTINUED

ORIGINAL (Red)

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
Susquehanna River				
North Branch Muddy Creek	Basin	York	CWF	None
South Branch Muddy Creek	Basin	York	HQ-CWF	None
Fishing Creek	Basin	Lancaster	HQ-CWF	Add Am,
Robinson Run	Basin	York	WWF	None
Peters Creek	Basin	Lancaster	HQ-WWF	Add Am,
Haines Branch	Basin	Lancaster	HQ-WWF	Add Am,
Michael Run	Basin	York	WWF	None
Broad Creek	Basin	York	CWF	None
Conowingo Creek	Main Stem, Source to PA-MD State Line	Lancaster	CWF	None
Unnamed Tributaries of Conawingo Creek	Basins, Source to PA-MD State Line	Lancaster	HQ-CWF	Add Am,
Jackson Run	Basin	Lancaster	HQ-CWF	Add Am,
Little Conowingo Creek	Basin	Lancaster	HQ-CWF	Add Am,
Octoraro Creek	Main Stem, Confluence of East and West Branches to PA-MD State Line	Lancaster	WWF	None
Unnamed Tributaries of Octoraro Creek	Basins, Confluence of East and West Branches to PA-MD State Line	Lancaster	TSF	Add Am,
East Branch Octoraro Creek	Main Stem	Lancaster	TSF	Add Am,
Unnamed Tributaries of the Right Bank, East Branch Octoraro Creek	Basins	Lancaster	CWF	Add Am,
Unnamed Tributaries of the Left Bank, East Branch Octororo Creek	Basins	Lancaster	TSF	Add Am,
Buck Run	Main Stem	Lancaster	CWF	Add Am,
Unnamed Tributaries of Buck Run	Basins	Lancaster	CWF	Add Am,
Williams Run	Basin	Lancaster	CWF	Add Am,
Pine Creek	Basin	Lancaster	CWF	Add Am,
Valley Run	Basin	Lancaster	HQ-CWF	Add Am,
Valley Creek	Basin	Chester	TSF	Add Am,
Knott Run	Basin	Lancaster	CWF	Add Am,
Annan Run	Basin	Lancaster	HQ-CWF	Add Am,
Knight Run	Basin	Chester	TSF	Add Am,
Bell Run	Basin	Lancaster	CWF	Add Am,
Bells Run	Basin	Lancaster	CWF	Add Am,
Muddy Run	Basin	Chester	TSF	Add Am,
Coopers Run	Basin	Lancaster	CWF	Add Am,
Leech Run	Basin	Chester	TSF	Add Am,
West Branch Octoraro Creek	Basin	Lancaster	HQ-CWF	Add Am,
Tweed Creek	Basin	Chester	TSF	Add Am,
McCreary Run	Basin	Lancaster	HQ-CWF	Add Am,
Blackburn Run	Basin	Chester	TSF	Add Am,
Black Run	Basin	Chester	TSF	Add Am,
Hog Run	Basin	Chester	TSF	Add Am,
Reynolds Run	Basin	Lancaster	HQ-CWF	Add Am,
Stone Run	Basin	Chester	TSF	Add Am,
Deer Creek	Basin	York	CWF	None
Chesapeake Bay				
Gunpowder Falls	Basin	York	WWF	None

water quality criteria in order to assure protection of a designated use.

Water quality criteria — Levels of parameters or stream conditions that need to be maintained or attained to prevent or eliminate pollution.

Water quality standards — The combination of water uses to be protected and the water quality criteria necessary to protect those uses.

§ 93.2. Scope.

The provisions of this chapter set forth water quality standards for the waters of this Commonwealth. These standards are based upon water uses which are to be protected and shall be considered by the Department in its regulation of discharges.

§ 93.3. Protected water uses.

Water uses which shall be protected, and upon which the development of water quality criteria shall be based, are set forth, accompanied by their identifying symbols, in the following Table 1:

Table 1

Symbol	*Protected Use*
	Aquatic Life
CWF	*Cold Water Fishes* — Maintenance and/or propagation of fish species including the family Salmonidae and additional flora and fauna which are indigenous to a cold water habitat.
WWF	*Warm Water Fishes* — Maintenance and propagation of fish species and additional flora and fauna which are indigenous to a warm water habitat.
MF	*Migratory Fishes* — Passage, maintenance and propagation of anadromous and catadromous fishes and other fishes which ascend to flowing waters to complete their life cycle.
TSF	*Trout Stocking* — Maintenance of stocked trout from February 15 to July 31 and maintenance and propagation of fish species and additional flora and fauna which are indigenous to a warm water habitat.
	Water Supply
PWS	*Potable Water Supply* — Use by humans after conventional treatment for drinking, culinary, and other purposes, such as inclusion into foods (either directly or indirectly).
IWS	*Industrial Water Supply* — Use by industry for inclusion into nonfood products, processing and cooling.
LWS	*Livestock Water Supply* — Use by livestock and poultry for drinking and cleansing.
AWS	*Wildlife Water Supply* — Use for waterfowl habitat and for drinking and cleansing by wildlife.
IRS	*Irrigation* — Used to supplement precipitation for growing crops.
	Recreation
B	*Boating* — Use of the water for power boating, sail boating, canoeing, and rowing for recreational purposes when surface water flow or impoundment conditions allow.
F	*Fishing* — Use of the water for the legal taking of fish.
WC	*Water Contact Sports* — Use of the water for swimming and related activities.
E	*Esthetics* — Use of the water as an esthetic setting to recreational pursuits.
	Special Protection
HQ	*High Quality Waters* — A stream or watershed which has excellent quality waters and environmental or other features that require special water quality protection.
EV	*Exceptional Value Waters* — A stream or watershed which constitutes an outstanding national, state, regional or local resource, such as waters of national, state or county parks or forests, or waters which are used as a source of unfiltered potable water supply, or waters of wildlife refuges or state game lands, or waters which have been characterized by the Fish Commission as "Wilderness Trout Streams," and other waters of substantial recreational or ecological significance.
	Other
N	*Navigation* — Use of the water for the commercial transfer and transport of persons, animals and goods.

§ 93.4. Statewide water uses.

(a) Those uses set forth in the following Table 2 were considered in determining the water quality criteria applicable to the particular waters listed in section 93.9 of this title (relating to designated water uses and water quality criteria) except where otherwise indicated in such section.

Table 2

Symbol	*Use*
	Aquatic Life
WWF	Warm Water Fishes
	Water Supply
PWS	Potable Water Supply
IWS	Industrial Water Supply
LWS	Livestock Water Supply
AWS	Wildlife Water Supply
IRS	Irrigation
	Recreation
B	Boating
F	Fishing
WC	Water Contact Sports
E	Esthetics

(b) Less restrictive uses than those currently designated for particular waters listed in section 93.9 of this title (relating to designated water uses and water quality criteria) may be adopted where it is demonstrated that:

(1) the existing designated use is not attainable because of natural background conditions;

(2) the existing designated use is not attainable because of irretrievable man-induced conditions; or

(3) application of effluent limitations for existing sources more stringent than those required pursuant to 33 U.S.C. § 1311, in order to attain the existing designated use, would result in substantial and widespread adverse economic and social impact.